

849

LOG BOOK

OF

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Journal from New York towards Rio Janeiro (1)

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	2		W S W	South	2	Tuesday 28 th day of Jan 1864 Commences light winds & cloudy passing showers of rain at times at 1 PM set the fore top sail close reefed & main sail at 4 PM wore ship 8 PM light air & clear out all reefs of the top sails set spanker & jib midnight Calm 8 AM set main top gallt sail Pumps carefully attended to
2	3				2	
3	3				2	
4	3				2	
5	3		S by E	S by W	2	
6	3				2	
7	2		S by S		2	
8	2				2	
9			Calm			
10						
11						
12						
1						
2						
3						
4						
5						
6						
7	1		W by N	Baffling		
8						
9	1	4	E by S			
10	1	4				
11	1	4				
12	1	4				

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
69 E	8	2.6	7.2	31.10	31.10	1 3/4 W	7	34.31	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1			Calm			Wednesday 29 th day of Jan 1864 Clear weather at 8 PM wore ship midnight moderate breeze & Cloudy at 1 AM Tacked noon set fore top gallt sail Pumps carefully attended to
2						
3						
4	4		S by W	Baffling		
5	4					
6	4					
7	4		W by S			
8	4					
9	4		E by S			
10	4					
11	4					
12	4					
1	4		East			
2	4					
3	4		E by N			
4	4					
5	4		S by W			
6	4					
7	4		S S W			
8	4			S E		
9	4					
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
34 E	40	36.5	16.2	30.34	30.36	1 3/4 W	19	34.12	



Journal from New York towards Rio Janeiro

1		K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Thursday 30 th day of Jan	1864
1	5			SSE	SE		Moderate steady breeze & clear weather all sail set by the wind		
2	5								
3	5								
4	5			SSE					
5	5								
6	5								
7	5			SSE			Latter part light wind & smooth sea		
8	5								
9	5			SSE	Buffing		Pumps carefully attended to		
10	5								
11	5								
12	5								
1	5			SSE					
2	5			South					
3	5								
4	3			SSE	East				
5	3								
6	3								
7	3								
8	3								
9	3								
10	3								
11	3								
12	3								

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
SSE	101	100.8	11.3	28.55	29.5	1 3/4 N	13	3359	

H		K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Friday 31 st day of Jan	1864
1	5			SSE	SE		Moderate breeze & clear weather in the first & middle parts		
2	5								
3	5								
4	5								
5	6			SSE			Latter part strong breeze & passing clouds a large swell from SSE		
6	7								
7	7								
8	7								
9	8						Pumps carefully attended to		
10	8								
11	8								
12	8								
1	8								
2	8								
3	8								
4	8								
5	8								
6	8								
7	8								
8	8								
9	8								
10	8								
11	8								
12	8								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
SSE	174	165.2	50.8	26.30	26.30	1/2 N	90	3229	



Journal from New York towards Rio Janeiro 3

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	7		S by E	Buffing	/	(Saturday) 1 st day of Feb
2	7				/	Commence squally & cloudy
3	7				/	showers of rain at intervals
4	7				/	
5	7				/	
6	7				/	Midnight the same
7	7				/	
8	5				/	3 AM moderate & clear weather
9	5				/	set main top gall & sail
10	5				/	
11	5				/	Latter part made all sail
12	5				/	
1	5				/	
2	5				/	Dumps carefully attended
3	5				/	
4	5		South	WSE	/	
5	5				/	
6	5				/	
7	5				/	
8	5				/	
9	5		S by E	Buffing	/	
10	5				/	
11	5				/	
12	5				/	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
15 E	135	130.0	35.4	24.20	24.27	1/2 N	39	31.50	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	5		S by E	Buffing		(Sunday) 2 nd day of Feb
2	5					Moderate breeze clear & pleasant
3	5		S by E	WSE		weather through out all sail set
4	5					to the best advantage
5	5					
6	5					
7	5					Dumps carefully attended to
8	5					
9	5					
10	5					
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5			WSE		
6	5					
7	5					
8	5					
9	5					
10	5			ESE		
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
33 E	124	104.8	67.7	22.42	22.37	1/2 N	73	30.37	

Journal from New York towards Rio Janeiro

I	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	1		S by E & E	East	1/2	<p>Monday 3rd day of Jan Feb 1868</p> <p>Clear weather, all sail set by the wind in the first part a heavy swell from E & E</p> <p>7 PM Squally in top gallt sails</p> <p>Midnight moderate breeze & cloudy</p> <p>3 AM set main top gallt sails</p> <p>6 " set fore top gallt sail</p> <p> Latter part strong breeze & passing clouds</p> <p>Pumps Carefully Attended to</p>
2	1				1/2	
3	1				1/2	
4	1				1/2	
5	3				1/2	
6	4				1/2	
7	5				1/2	
8	5				1/2	
9	5		S by E & R by E		1	
10	5				1	
11	5				1	
12	5				1	
1	6		S by E & E & E		1	
2	6				1	
3	6				1	
4	6				1	
5	6				1	
6	6				1	
7	7				1	
8	8		South		1	
9	9				1	
10	9				1	
11	9				1	
12	9				1	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 20 E	127	119.7	43.7	20.37	20.36	1/2 N	47	29.50	

II	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	9		South East E			<p>Tuesday 4th day of Jan Feb 1868</p> <p>Commences squally & cloudy</p> <p>Tremendous High Sea running from E & E allow 1 mile per hour</p> <p>2 PM Handed top gallt sails</p> <p>Midnight moderating</p> <p>5 PM set top gallt. sails</p> <p>Ends cloudy & light winds</p> <p>Pumps Carefully Attended to</p>
2	8					
3	8					
4	8					
5	8					
6	8					
7	8					
8	8					
9	8					
10	8					
11	8					
12	8					
1	5			East		
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 10 E	169	166.3	27.8	17.50	17.52	1/2 N	29	29.21	

Journal from New York towards Rio Janeiro

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	3		South	East	1/2	Wednesday 5 th day of July
2	3				1/2	Commences light winds & cloudy a heavy swell from E. N. E. allows 1/2 mile per hour current setting S. W. 1/2 mile per hour
3	3				1/2	
4	3				1/2	
5	3				1/2	
6	2				1/2	
7	2				1/2	
8	3				1/2	Midnight light air & clear weather
9	2				1/2	
10	2			Baffling	1/2	Latter part the same 2 sails in sight steering South- ward
11	2				1/2	
12	2				1/2	
1			Calm			
2						Pumps duly attended to
3						
4						
5						
6						
7						Sby N
8						
9	1					
10	1					
11	1					
12	1					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S by N	51	50.6	8.9	17.2	17.13	1/2 N	9	29.30	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	2		South	N E		Thursday 6 th day of July
2	2					Light wind clear & pleasant weather throughout 1 sail in company steering Southward Employed repairing sails
3	2					
4	2					
5	2					
6	2					
7	2					
8	2					Pumps carefully attended to
9	2					
10	2					
11	2					
12	2					E N E
1	2					
2	2					
3	2					
4	2					
5	2					East
6	2					
7	2					
8	2					
9	2					
10	2					
11	2					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 5 E	48	43.3	20.5	16.29	16.26	1/2 N	21	29.9	

Journal from New York towards Rio Janeiro

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Friday 7 th day of Feb'y	18
1	5		S by E	E by E		Moderate breeze clear & pleasant weather in the first & middle part to all sail set		
2	5							
3	4							
4	5							
5	5							
6	5							
7	6			East		Boat part cloudy, sail in light steering Southward		
8	6							
9	4							
10	4							
11	4							
12	5			E by E		Dumps Carefully Attended to		
1	5							
2	5							
3	5							
4	5							
5	5							
6	5							
7	5			East				
8	5							
9	5							
10	5							
11	5							
12	5							

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
28 E	112	98.8	53.8	14.47	14.47	1/4 N	54	28.15	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Saturday 8 th day of Feb'y	18
1	5		S by E	E by E		Comes in light breeze & cloudy all sail set on our course		
2	5							
3	5							
4	5							
5	5					Midnight the same		
6	5			N E				
7	5							
8	5					Boat part shifted the fore sail		
9	5							
10	5							
11	5			East				
12	5			E by E		Dumps Carefully Attended to		
1	5							
2	5							
3	5							
4	5							
5	6							
6	6							
7	6							
8	6							
9	6			N E				
10	6							
11	6							
12	6							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
28 E	128	112.7	60.3	12.54	12.49	1/4 N	62	27.13	

Journal from New York towards Rio Janeiro

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	6		S by E	E. & E		Sunday 9 th day of Feb. Moderate breeze in the first & middle part weather cloudy all sail set before the wind. Latter part light winds & clear Pumps carefully attended to
2	6					
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					
1	5					
2	5					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4			E		
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
22 E	122	112.7	46.7	10.48	10.56	1/2 N	47	26.26	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	3		S by E	N. & E		Monday 10 th day of Feb. Light winds & clear weather through out all sail set before the wind Current setting West 1 mile per hour Pumps carefully attended to
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3					
11	4					
12	4					
1	4					
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
22 E	85	83.7	1.8	9.32	9.35	1/2 N	1	26.25	

Journal from New York towards Rio Janeiro

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	18
						Thursday 11 th day of Feb	
1	2		SSE	buffing		Light wind & calm in the first part	
2	3						
3	3						
4	3						
5						Middle & latter parts light breeze & clear weather all sail set	
6							
7							
8							
9	4		S by E	cast		Pumps carefully attended to	
10	4						
11	4						
12	4						
1	4						
2	4						
3	4						
4	4						
5	4						
6	4						
7	4						
8	4						
9	4						
10	4			Buffing			
11	4						
12	4						

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
SSE	81	80.4	12.8	8.15	8.24	1/2 N	13	26.12	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	18
						Wednesday 12 th day of Feb	
1	3		SSE	NE		Commences light winds clear & sultry hot weather all sail set before the wind	
2	3						
3	3						
4	3						
5	3					Middle & latter parts the same	
6	3						
7	3			North			
8	3						
9	3			NE		Pumps carefully attended to	
10	3						
11	3						
12	3						
1	3						
2	3						
3	3						
4	3						
5	3						
6	3						
7	3						
8	3						
9	3			North			
10	3						
11	3						
12	3						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
SSE	87	54.6	16.4	7.30	7.31	1/2 N	17	25.55	

Journal from New York towards Rio Janeiro 1840

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	3		S by E	N E		Thursday 13 th day of July 1840
2	3					Light winds & clear weather through out all sail set before the wind Pump carefully attended to
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3			North		
10	3					
11	3					
12	3					
1	3			N E		
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	2					
10	2					
11	2					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N 7 E	68	65.1	19.7	6.26	6.26	1/2 N	20	25.35	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	2		S by E	N E		Friday 14 th day of July 1840
2	2					Comes in light airs & cloudy passed several sails bound Northward 2 PM spoke a large English ship from Calcutta 73 Days out Bound to London 8 PM much lightning in the S E 9 " " squally & rain in light sails 11 " " moderate breeze made all sail Midnight Calm & over cast Latter part passing clouds Pump & carefully attended to
3	2					
4	2					
5	2					
6	2					
7	3		S by N			
8	3					
9	4					
10	4					
11	2					
12			Calu			
1						
2						
3	2		S by E	N E		
4	4					
5	4					
6	4					
7	3			East		
8	3					
9	3					
10	3					
11	3					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N 1/4 E	60	58.0	14.4	5.28	5.28	1/2 N	15	25.20	

Journal from New York towards Rio Janeiro

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	18
1	3		S by E	East		Moderate breeze clear & pleasant weather through out all sail set before the wind	Saturday 15 th day of Feby
2	3						
3	3						
4	3						
5	3					Crew engaged about the rigging	
6	3						
7	4						
8	4						
9	4			A A E		Pumps Carefully Attended	
10	4						
11	4						
12	4						
1	4						
2	4						
3	4						
4	4						
5	4						
6	4						
7	4						
8	4						
9	4						
10	4						
11	4						
12	4						

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 17 E	98	86.1	26.1	4.2	4.2	1/2 N	27	24.53	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	18
1	4		S by E	A A E		Came in light winds & fine weather all sail set before the wind	Sunday 16 th day of Feby
2	4						
3	4						
4	4						
5	4					Middle part cloudy much lightning & thunder in the South ward took in light sails	
6	4						
7	4						
8	4						
9	4					Latter part continues cloudy with shower of rain at times & light variable winds Current setting West 1 mile per hour through out Sun Obscured No Obs,	
10	4						
11	4						
12	4						
1	4					Pumps Carefully Attended	
2	4						
3	4						
4	4						
5			Lat				
6							
7							
8							
9	1		S W	variable			
10	1						
11	1						
12	1						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 17 W	61	60.5	9.1	3.2		1/2 N	9	25.2	

Journal from New York towards Rio Janeiro

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1			Calm			Monday 17 th day of Feby 1868
2						
3	3		SE variable			Commeices calm & cloudy with shower at intervals
4	3					
5	3					Midnight Squally & thick cloudy
6	3					with much thunder & lightning all round the horizon Handed light sails
7	2					
8	1					
9			Calm			
10						Day light set light sails
11	3		SE			
12	3					Latter part passing clouds 1 sail in sight Bound Northward
1	3					
2			Calm			
3						Pumps carefully attended to
4						
5						
6						
7	2		SE			
8	2		South			
9	2					
10	2					
11	2					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
SE	37	54.5	14.9	2.28	2.44	1/2 W	15	24.47	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	3		South	North		Tuesday 18 th day of Feby 1868
2	3					
3	3					Comes in light breeze and passing clouds all sail set before the wind
4	3					
5	2					
6	2					Middle part thunder & lightning
7			Calm			
8						Latter part Squally & rain in light sails
9						
10						
1	3		SE	NE		Sun obscured by obs.
2	3					
1	4					
2	4					Pumps carefully attended to
3	4					
4	4					
5	3					
6	3					
7	4					
8	4					
9	4					
10	4					
1	4					
2	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
SE	58	57.6	3.5	1.47		1/2 W	3	24.50	

Journal from New York towards Rio Janeiro

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Wednesday 19 th day of Feb'y	186
1	3		St. N. by E. 1/2 N. 7x	N. by E. 7x		Begins light breeze 9/ cloudy raining & tempest & continued so untill 3 PM at 4 PM clear weather made all sail		
2	3							
3	3							
4	3							
5	2		St. E. & variable			Midnight moderate breeze & clear		
6	2							
7	3							
8	3							
9	3		SSE S N	S N		Latter part the same 1 sail light bound Nor the wind		
10	3							
11	3							
12	3							
1	3		St. N. by E. 1/2 N. 7x			Pumps carefully attended to		
2	3							
3	3							
4	3							
5	2		St. E. & variable					
6	2							
7	3							
8	3							
9	3		SSE S N	S N				
10	3							
11	1							
12	1							

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 29 E	55	48.4	27.2	0.59	1.6	1 N	27	24.23	22.15

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Thursday 20 th day of Feb'y	186
1			Cal			Commences calm & passing cloud		
2								
3								
4								
5			Cal			Midnight cloudy & drizzling rain		
6								
7								
8								
9			Cal			Latter part light air & calm current setting Northward 1/2 mile per hour through out		
10								
11								
12								
1			Cal			Pumps carefully attended to		
2								
3								
4								
5			Cal					
6								
7								
8								
9			Cal					
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
Up 47	13	13	.	1.19	1.19	1 N		24.23	

Journal from New York towards Rio Janeiro 1848

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	1		SSE	Beflying		Friday 21 st day of Feb'y 1848
2	1					Commences light air & sultry
3	1					hot weather
4	1					
5	1					Middle part cloudy with showers
6	1					at intervals
7	1					
8	2					Latter part the same 3 sails in
9	2			Variable		sight 2 Bound Southward & 1
10	2					Northward
11	2					Sun Obscured No Obs.
12	2					
1	1					
2	1					
3	1					
4	3					
5	2					
6	2					
7	2					
8	2					
9	2					
10	2					
11	1		Sby N			
12	1					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
5 N	45	44.8	4.0	0.34		1/2 N	4	24.27	

I	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	3		SSE	variables		Saturday 22 nd day of Feb'y 1848
2	3					Commences light wind & cloudy
3	2					& raining in torrents several sail
4	3					in Company Bound Southward
5	3		Sby N			
6	2					S & N threatening all round the horizon
7	1		South			headed light sails
8	1					
9	2		Sby N			Midnight continues cloudy raining
10	2					in torrents & squally & heavy
11	2					sea running from Northward
12	2					
1	3		SSE	N E		9 AM made all sail
2	5					
3	5					Sun Obscured No Obs.
4	5					
5	1			Variable		
6	1					
7	1					
8	1					
9	2					
10	3					
11	3					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N	54	53.3	5.0	0.19		1/2 N	5	24.32	

Journal from New York towards Rio Janeiro

I	H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	18
1		1		Sby N	Boffling		<p>Sunday 23rd day of Feb</p> <p>ones in light air & cloudy</p> <p>Midnight the same</p> <p>Latter part clear weather</p> <p>Dumps regularly tried</p>	
2		1						
3				Calu				
4								
5								
6								
7								
8								
9								
10		1		SW	S			
11		1						
12		1		Calu				
1								
2								
3								
4								
5		1		SW	Boffling			
6		2						
7		2						
8		2						
9		1		S				
10		1						
11		1						
12		1						

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 23 N	14	13.1	5.8	0.32	1.24	1/4 N	6	24.38	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	18
1	1		West	Boffling		<p>Monday 24th day of Feb</p> <p>Light winds & clear weather the fore & middle parts all fair set by the wind</p> <p>Latter part fresh breeze & passing clouds</p> <p>Dumps carefully attended</p>	
2	1						
3	1						
4	1						
5	2						
6	2						
7	2		N by S				
8	2						
9	2						
10	2						
11	3						
12	3						
1	3		WSW				
2	3						
3	3						
4	3						
5	3		S by S	SSE			
6	3						
7	4						
8	4						
9	4						
10	4						
11	4						
12	4						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 45 N	60	42.5	42.6	2.3	2.1	1/4 N	42	25.20	23.0

Journal from New York towards Rio Janeiro (15)

I	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	4		N S W	South		Tuesday 25 th day of Feb 1868
2	4					Moderate breeze of passing clouds
3	4		S by N			through out all sail set by
4	4					the wind
5	4			Baffling		a heavy swell from S. E.
6	4		S W			
7	5					Dumps carefully attended to
8	5					
9	5					
10	5					
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
132 N	120	101.1	62.7	3.41	3.40	1/2 N	63	26.23.	

I	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	5		S W	S E		Wednesday 26 th day of Feb 1868
2	5					Commenced fresh breeze & cloudy
3	5					with rain squalls at times
4	5					all sail set
5	5					and up here fore royal yard
6	5					
7	5		S by N			Middle & latter parts clear weather
8	5					
9	5					Dumps carefully attended to
10	5		S by S			
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5		S S W			
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
21 N	118	110.2	41.3	5.20	5.39	1/2 N	42	27.5	

Journal from New York towards Rio Janeiro

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	5		SSE	SE		Thursday 27 th day of Feb
2	5					through out these 24 hours fresh breeze & passing clouds all sail set by the wind
3	5					a heavy swell setting from SE
4	5		SSE			
5	5		SSE			
6	5		SSE			
7	5		SSE			
8	5		SSE			
9	5		SSE			
10	5		SSE			
11	5		SSE			
12	5		SSE			
1	6					
2	6					
3	6		SSE			
4	6		SSE	SE		
5	6		SSE			
6	6		SSE			
7	6		SSE			
8	6		SSE			
9	6		SSE			
10	6		SSE			
11	6		SSE			
12	6		SSE			

Dumps carefully attended to

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
SSE	131	131.3	1.2	7.50	8.0	1/4 N	1	27.4	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	5		SSE	SE		Friday 28 th day of Feb
2	5					Mostly through out fresh breeze & passing clouds all sail set by the wind a heavy swell continues from SE
3	5					
4	5					
5	6					
6	6					
7	6		SSE			
8	6		SSE			
9	6		SSE			
10	6		SSE			
11	6		SSE			
12	6		SSE			
1	5		SSE			
2	5		SSE			
3	5		SSE			
4	5		SSE			
5	6		SSE			
6	6		SSE			
7	6		SSE			
8	6		SSE			
9	6		SSE			
10	6		SSE			
11	6		SSE			
12	6		SSE			

Dumps carefully attended to

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
SSE	136	132.3	30.8	10.12	10.14	1 N	31	27.35	26.4

Journal from New York towards Rio Janeiro

I	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
			S W by S	S E		Saturday, 29 th day of Feb 1868
1	b					
2	b					
3	b					
4	b					
5	b					
6	b					
7	b					
8	b					
9	b					
0	b					
1	b					
2	b					
1	b					
2	b					
3	b					
4	b					
5	b					
6	b					
7	b					
8	b					
9	b					
0	b					
1	b					
2	b					

Throughout fresh breezes clear & pleasant weather all sail set before the wind.

Crew engaged about the rigging

Cumpro carefully attended to

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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22 W	144	133.0	55.1	12.27	12.28.1	W	57	28.32	
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I	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
			S W	S E		Sunday 1 st day of March 1868
1	H					
2	H					
3	H					
4	H					
5	H					
6	H					
7	H					
8	H					
9	H					
0	H					
1	H					
2	H					
1	H					
2	H					
3	H					
4	H					
5	H					
6	H					
7	H					
8	H					
9	H					
0	H					
1	H					
2	H					

Moderate breeze clear & pleasant throughout all sail set to the best advantage

Cumpro carefully attended to

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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34 W	96	79.4	54.0	13.47	13.49	W	56	29.28	28.51
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Journal from New York towards Rio Janeiro

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Monday 2 nd day of March	18
1	4		SW	ESE		Commenced light winds clear & sultry hot weather all day set to the best advantage Middle part increasing breeze & cloudy Latter part clear weather		
2	4							
3	4							
4	4							
5	4							
6	4			Baffling				
7	4							
8	4							
9	4			SE				
10	4							
11	4							
12	4							
1	7					Dumps carefully attended to		
2	7							
3	7							
4	7							
5	7							
6	7							
7	7							
8	7							
9	6							
10	6							
11	6							
12	6							

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 34 W	128	106.4	7.1	15.35	15.39	1 W	74	30.42	30.31

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Tuesday 3 rd day of March	18
1	4		SW	ESE		Moderate breeze clear & pleasant weather all day. Sail set before the wind through out Engaged about the rigging Dumps carefully attended to		
2	4							
3	4							
4	4							
5	4							
6	4							
7	4							
8	4							
9	4							
10	4							
11	4							
12	4							
1	5			SE				
2	5							
3	5							
4	5							
5	4							
6	4							
7	4							
8	4							
9	4							
10	4							
11	4							
12	4							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 34 W	100	83.1	55.6	17.2	17.2	1 W	58	31.40	

Journal from New York towards Rio Janeiro (19)

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	3		S N	S E		Wednesday ^{4th} day of March 18
2	3					Comes in light wind Clear weather all sail set before the wind Middle & Latter part passing clouds Dumps Carefully Attended to
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3					
11	3					
12	3					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	6		S by N East			
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
2. N	100	75.2	65.3	18.17	18.17	1 N	69	32.49	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	5		S by N East			Thursday ^{5th} day of March 18
2	5					Commence moderate breeze Clear weather all sail set before the wind Midnight the same Later part shower Dumps Carefully Attended to
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	6					
10	6					
11	6					
12	6					
1	5					
2	5					
3	5					
4	5					
5	7					
6	7					
7	7					
8	7					
9	7		S by N East			
10	7					
11	7					
12	7					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
2. N	141	86.6	109.9	19.44	19.49	1/2 N	117	34.46	

Journal from New York towards Rio Janeiro

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	5		SE by E	E		Friday 6 th day of March 18 Moderate breeze & clear weather throughout all sail set before the wind / sail in light Bound Southward Pumps Carefully Attended to
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	6					
11	6					
12	6					
1	6					
2	6					
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
SE by E	135	7.5.0	112.2	21.04	21.4	1/2 N	120	36.46	36.36

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	4		SE by E	E		Saturday 7 th day of March 18 Light winds clear & sultry hot weather throughout all sail set before the wind / sail in light Bound Southward Pumps Carefully Attended to
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					
1	4					
2	4					
3	4					
4	4					
5	4					
6	4					
7	3					
8	3					
9	3			East		
10	3					
11	3					
12	3					

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
SE by E	90	50.8	74.8	21.54	21.54	1/2 N	80	38.6	

Journal from New York towards Rio Janeiro

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	18
1	4		W. S. E			<p>Sunday 8th day of March</p> <p>Mostly through out light winds clear weather all sail set before the wind</p> <p>Sail in light Round Southward</p> <p>Dumps carefully attended to</p>	
2	4						
3	4		W. S. E				
4	4						
5	4						
6	4			W. S. E			
7	5						
8	5						
9	5						
10	5			W. S. E			
11	5						
12	5						
1	5						
2	5						
3	5						
4	5						
5	4						
6	4						
7	4						
8	4						
9	4		W. S. E				
10	4						
11	4						
12	4						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
63.78	10.5	47.6	94.3	22.42	22.45	1/2 N	10.3	39.49	39.0.5

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	18
1	3		W. S. E	East		<p>Monday 9th day of March</p> <p>Commences light winds & clear weather all sail set before the wind</p> <p>Sail in light Round Northward</p> <p>Middle & Latter parts continue the same</p> <p>Dumps carefully attended to</p>	
2	3						
3	3						
4	3						
5	3						
6	3						
7	4						
8	4						
9	5						
10	5						
11	5						
12	5						
1	5						
2	5						
3	5						
4	5						
5	5						
6	5						
7	5						
8	5						
9	5		W. S. E				
10	5						
11	5						
12	5						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
80.78	10.8	18.8	104.2	23.4	23.10	1/2 N	11.3	41.42	

York towards Rio Janeiro

	COURSES.	WINDS.	LEEWAY.	REMARKS.
1	4	W. & S. by E.		Monday 10 th day of March
2	4			Remained in light winds & clear weather all sail set before the wind
3	4			at 1 P.M. made the land on the Starboard bow
4	4	W. & S. by E.		at 2 P.M. water discoloured
5	4			at 10 " " Cape Rio's light bearing per compass N.W. by N 16 miles distant
6	4			at night light breeze & misty horizon
7	4			at 12 noon Rio Janeiro N.W. by N 14 miles distant
8	4			at 4.30 P.M. came to with the port anchor in 20 fathoms of water & B & of Chain
9	4			furled all sails
10	4			8 P.M. set the watch for the night
11	4			S. B. this day 36 hours & under sea account at 12 Midnight
12	4			Rio Janeiro Harbour

[illegible]

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	day of	18
1			21 st March			Light winds & passing clouds through out		
2						Discharging cargo Employed 3 men		
3								
4			22 nd March			At M through out light winds & passing clouds		
5								
6			23 rd March			At M through out light winds & Calms Discharging		
7						cargo Employed 3 men & fresh breeze wind S E		
8								
9			24 th March			fine weather through out Discharging cargo Employed		
10						3 men		
11								
12			25 th March			Discharging cargo through out Employed 3 men		
1						fine weather wind S E		
2								
3			26 th March			Discharging cargo through out 3 men Employed		
4						fine weather wind S E John & Thomas took		
5						duty		
6								
7								
8								
9								
10								
11								
12								

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	day of	18
1			27 th March			fine weather finished Discharging John & Thomas		
2						still sick & off duty		
3								
4			28 th March			Light winds & fine weather through out engaged		
5						charging up the lower hold Thomas turned to		
6						John still sick & off duty		
7								
8			29 th March			At M through out light winds & fine weather		
9						& cloudy at 7 a terrific squall from the westward		
10						attended with a heavy rain parted all the after		
11						moorings at 7.10 went to anchor through out		
12						the night much thunder & lightning & smaller		
1						& continuing a heavy rain John still sick		
2						& off duty		
3								
4			30 th March			Light variable winds & cloudy at 11 AM Hove up the		
5						anchor & the ship at the landing ground in four		
6						of steamer at 11.40 AM came to anchor at the		
7						loading ground in 6 fms of shore & 20 yds from		
8						John getting no better at 4 PM took him ashore to		
9						the Hospital		
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS.	day of	18
1			Monday April 6 th					
2			Waiting for cargo fine weather through not engaged					
3			fitting new top gall ^{ies} rigging & 10 sets slays gold 6 aft					
4			Employed 2 men James Smith took Lie R					
5								
6			Tuesday April 7 th					
7			Waiting for cargo engaged fitting new top gall ^{ies} rigging					
8			Back slays fore & aft fine weather through not					
9			James Smith still Lie R off duty 2 men					
10								
11			Wednesday April 8 th					
12			Light winds fine weather through not wind 8 E					
1			taken in cargo Employed 2 men Calked the seams					
2			round the Bow & found the 2 seams were					
3			slack & the seams along the cut water the					
4			seams being open entirely also Calked the					
5			Bow ports James Smith still Lie R off duty					
6								
7			Thursday April 9 th					
8			Waiting for cargo fine weather through not engaged					
9			2 men and 1 woman fore topmast slays & back slays					
10			James Smith still Lie R off duty					
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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Friday April 10th

Waiting for Cargo fine weather through out Employed 2 men over hauling fore top mast stays & Back stays & send them up again James Smith getting better

Saturday April 11th

Cloudy rain through out wind variable Waiting for cargo James Smith resumed his duty

Sunday April 12th

A.M. through out light winds fine weather wind S.S.E

Monday April 13th

Waiting for Cargo fine weather through out set up fore top mast stays & Back stays Employed 2 men also send down main top mast Back stays

Tuesday April 14th

Waiting for Cargo over hauling main top mast Back stays P.M. cloudy & occasionally attended with a heavy rain send up main top mast Back stays the Steward is wife took sick the Captain offered take her to Hospital according to law the Steward refused to do so

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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11	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	day of	18				
1			Wednesday April 15 th			A.M. through out cloudy rain with light air waiting for cargo Set up main top mast stays P.M. clear weather wind S.E						
2			Thursday April 16 th			A.M. clear weather through out taken in cargo Employed 2 men P.M. light winds & cloudy wind S.E Completed the Laying Dages						
3			Friday April 17 th			light winds fine weather taken in cargo Employed 2 men the vessel laying on demurrage, on account of the Charter fault						
4			Saturday April 18 th			fine weather through out taken in cargo Employed 2 men vessel laying on demurrage, on account of the Charter fault finished Laying						
5			Sunday April 19 th			Light winds, fine weather through out ship laying on demurrage on account of the Charter fault						
6			Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.

Journal

from *Pineiro Harbour* towards *Lawson*

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	day of	18
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Monday April 20th

Light windy fine weather brought engaged with
up main top mast Back stage & m dnd up mast
top gall^{ty} mast & set up the rigging Employed
2 men ship laying on her wreckage on account
of the charter's fault

Tuesday April 21st

Light windy fine weather through out - send
up fore top gall^{ty} mast & set up the rigging also
rigged jib & flying jib Broom out & set up all
the head rigging Employed 2 men at 11 P.M.

Wednesday April 22nd

The steward wife went in the fore castle to remain
Drinking with the men until 3 A.M. of the 23rd
dnd up top gall^{ty} & Royal yards & filled the
water & received ship stores preparing every
thing for day at 9 A.M. John Thompson & Dan
Man was partly intoxicated the Captain
ordered him to go to his duty station which
he refused to do so the Captain ordered
to go to his duty again the 2nd time upon
which John Thompson commenced to kick &
use of threatening language to the Captain
saying I will kill you I dnded one of B.M. &
the Captain told him to stop that language

also
Frederick Sea man
intoxicated through
out this day being
compelled to remain
off duty

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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Several times but all of no avail at this
ordered the Mate to put him in Irons

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	day of	18
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which was done immediately

Joseph Martin
Chief Officer

Thursday April 23rd

Cloudy at 7 A.M. dnd up the anchor & proceeded
to sea in tow of a steamer at 9 A.M. made all
sail at 10 A.M. Steamer left the ship light
wind & wind E. & S. this day 1/2 hours of
Pineiro Harbour account the Captain
asked John Thompson if he would go to his
duty or not John Thompson promised to
do so to be obedient to orders & civil in
future the Captain ordered the Mate to
release him out of Irons & he then resumed
to his duty

Drift of water 12 feet aft
" " " 11 feet forward

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D.R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS.	Friday 24 th day of April	1866
1							Commenced light winds & cloudy	
2							Secured the Boats & bent the	
3							cables & stowed the anchors on the boat	
4							at 3 PM increasing breeze Roza Island	
5							Bore by S 1/4 Miles dist	
6							4 PM Drizzling rain at 5 PM a terrific	
7							squall from S E took in royal & 1 st	
8							fore top gall ⁿ sail & fore sail & span	
9							Blowing away also jib & main top mas	
10							stay sail Blowing away Handed top gal	
11							Sails fore sail & main sail thick	
12							cloudy & heavy rain wind increasing to	
1							a gale double reefed the top sails	
2							8 PM tremendous High sea running ship	
3							labouring & straining very heavy & shipping	
4							much water on deck wore ship 3 AM	
5							made Roza Island light set the mainsail & flying jib 6 AM	
6							shifted the fore sail light winds from S E ship drifting far	
7							on the land reefs out of the top sails set main top gall ⁿ	
8							sail & fore sail & a wore ship thick fog & drizzling rain	
9							latter part thick & rain 4 miles dist off the land	
10							Pumps carefully attended to	
11							ship making no water	
12								

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS.	Saturday 25 th day of April	1866
1							Commenced light winds & cloudy	
2							heavy swell from S E ship drifting	
3							on the land 4 PM bent the cables 5 PM	
4							cleared away the Boats unstowed the	
5							anchors & put them in the shoes 5:30 PM	
6							a terrific squall from S E & much rain Handed	
7							main top gall ⁿ sail 4 miles off the land & being	
8							compelled to carry sail to clear the ship & lines	
9							out of danger 6 PM increasing to a gale Blowing	
10							away the fore top sail & fore sail Thunder & light	
11							rain in torrents tremendous High sea running	
12							from S E ship labouring & straining heavily Pumps	
1							constantly attended to double reefed main top	
2							sail 7 PM unbent the main sail & bent for a fore	
3							sail & full of water continually & 8 PM moderate	
4							turned reefs out of main top sail 10 miles dist off	
5							land 11 PM set main top gall ⁿ sail strong current	
6							setting toward the land 7 AM light winds from S E	
7							8 miles off the land Bent an old fore sail for a	
8							top sail Cape Jorio bearing per compass 8 AM 30th	
9							Roza Island by 8:30 miles dist Bent my Avoing	
10							a spanker Under light winds & cloudy a	
11							cross sea from S E Pumps carefully attended	
12							ship making no water	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
			Various	Buffing	1 1/2	Sunday 26 th day of April 1864
1					1 1/2	Commence light wind & cloudy
2					1 1/2	heavy cross sea from S & E ship
3					1 1/2	labouring much after a consultation
4					1 1/2	the Captain & Officer thought prudent
5					1 1/2	for all concerned to put the ship
6					1 1/2	back to Rio Janeiro to get more sails
7			South		1 1/2	5 PM wore ship to westward to the Cape
8					1 1/2	Aris light Bore & E by E 12 miles dist
9					1 1/2	Midnight light breeze & cloudy Cape Aris
10			S by N	SSE	1	light & E by E 16 miles dist
11					1	4 AM fair weather set fore tops gall & sail
12						& Royals
1						Latter part moderate steady breeze
2						& clear weather
3						Pumps carefully attended
4						to ship making no water
5						
6						
7			N by S	SE		
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
			Various	East		Monday 27 th day of April 1864
1						Commence moderate breeze & fine
2						weather all the remaining sails set
3						to the best advantage
4						at 6 PM made Ponta Island light
5						right a head thick & cloudy with
6				ESE		drizzling rain range the cables
7						Midnight light breeze & thick foggy
8						weather
9						3 AM came to with the starboard anchor
10						in 2 fathoms of water & 25 of chain
11						furlled sails & 11 AM Hoisted up the anchor
12						& proceeded towards the City in tow of
1						Steamer 9 AM came to with the starboard
2						Anchor in 16 fathoms of water Steamer left
3						the ship at noon continues thick & cloudy
4						squally rain put a boat out here ends
5						My sea Account & 32 fathoms of chain out
6						Rio Janeiro Harbour
7						Joseph Martin
8						Chief Officer
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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Journal from *Barque "Sacramento"* towards *Laying in*

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	day of	18
1			Tuesday April 28 th					
2			Light Baffling wind & cloudy weather 8 PM					
3			Set the watch for the night					
4			Wednesday April 29 th					
5			AM through out light winds & fine weather Mubens					
6			is the main sail off the fore yard & bent it					
7			on the main at 4 PM Hove up the anchor					
8			& proceeded towards the City in tow of a steamer					
9			5 PM Came to with the Starboard anchor					
10			in 6 fathoms of water & 17 of chain 1/4 of the					
11			off the City steamer left the ship 8 PM Set					
12			the watch for the night					
1			Thursday April 30 th					
2			AM through out light air & clear weather					
3			variously engaged at ship & duty 8 PM set					
4			the watch for the night					
5			Friday May 1 st					
6			AM light winds & fine weather Employed					
7			variously PM Continues the same					
8			at 8 set the watch for the night					

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	day of	18				
1						Saturday May 2 nd						
2						AM through out light wind & clear weather						
3						engaged painting the yards & other jobs						
4						PM fresh breeze wind S E at 8 set the watch						
5						for the night						
6						Sunday May 3 rd						
7						AM through out light wind & clear weather with						
8						S E PM cloudy at 8 set the watch for the night						
9						Monday May 4 th						
10						Light winds & cloudy rigged flying & if Booms						
11						in & other jobs 8 PM set the watch for the night						
12						Tuesday May 5 th						
1						Light winds passing clouds through out engaged						
2						about the rigging 8 PM set the watch for the night						
3						Wednesday May 6 th						
4						Light winds pleasant weather through out						
5						8 PM set the watch for the night						
6												
7												
8												
9												
10												
11												
12												
			Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.

from Nicobar Harbour towards Newlands (30)
 Surgeons James L. Lawson Master

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	day of	186
1			Thursday May 7 th			Light variable winds passing clouds employed about the rigging also 1 Carpenter engaged fitting a new rim on the starboard side of the fore top which carried away in the gale the other day 8 PM set the watch for the night		
2			Friday May 8 th			Light through out light winds fine weather engaged about the rigging 8 PM fresh breeze passing clouds wind S S E at 8 set the watch for the night		
3			Saturday May 9 th			Light winds passing clouds throughout wind baffling engaged about the rigging the ship waiting for sails 8 PM set the watch for the night		
4			Sunday May 10 th			Light variable winds cloudy throughout 8 PM set the watch for the night		
5			Monday May 11 th			Clear weather light winds wind S S E engaged setting up the rigging fore aft 8 PM set the watch for the night the ship waiting for sails		

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS.	day of	18
1			Thursday May 12 th			AM through out fine weather light wind engaged about the rigging at 2 PM set the watch for the night the ship waiting for sails		
2			Friday May 13 th			AM through out light B. offing wind & fine weather Engaged about the rigging PM thick cloudy with thunder & lightning & squally attended with a heavy rain 8 PM set the watch for the night		
3			Saturday May 14 th			AM through out light B. offing wind & thick cloudy with showers of rain PM Squally heavy passing clouds wind & squally rain 8 PM set the watch for the night		
4			Sunday May 15 th			Light B. offing wind & passing clouds through out at 4 PM the Steward went ashore with Liberty against the Captain's orders at 8 PM the watch for the night		

Saturday May 16th

Light variable winds a heavy passing clouds
variously employed at ship's duty receiving
on board one new top sail yard one new Hump
fore sail one new Hump fore top sail one new
Cotton fore top gall^{ty} sail one new Hump fore
top mast stay sail one new Hump jib one
new Cotton main top mast stay sail one new
Cotton spraker one new Cotton Gaff top sail
Eight new sails in number 4 Hump 4 1/2
Cotton 8 PM set the watch for the night
thick cloudy & drizzling rain

Sunday May 17th

AM through out strong gale a heavy passing clouds
& much rain wind SE & PM light, Baffling
winds at 8 set the watch for the night

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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Monday May 18th

Light winds & cloudy through out attended with rain
wind E S E 8 PM set the watch for the night

Tuesday May 19th

Light variable winds & cloudy with passing shower
at times engaged bending sails Bend new fore
top gall^{ty} sail new main top mast stay sail
new spraker new Gaff top sail & new fore top
sail 8 PM set the watch for the night
filled the water

Wednesday May 20th

Light Baffling winds & cloudy in the first part
Bend a new fore sail ripped jib & flying jib
Boome out loaded sails & set up the head rig
PM continues cloudy & shower furlled sails
James Carter came on board to do Cook &
Steward duty & set the watch for the night

Thursday May 21st

Light Baffling air & clear weather Bend a new jib
& new fore top mast stay sail getting ready
for sea 8 PM set the watch for the night

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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Journal

from

to

Aniwa Harbour

towards

Lauzon Master

day of

18

H

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F

COURSES.

WINDS.

LEEWAY.

REMARKS

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10
11
12Friday May 22nd

All through out light winds & clear weather
wind North & PM wind S & received ship's
stores preparing for sea lashed water casks
& secured every thing about decks at 8 PM
set the watch for the night

Saturday May 23rd

Light Baffling winds & fine weather through
out received stores & getting ready for sea
at 8 PM set the watch for the night

Sunday May 24th

All light winds & clear weather PM cloudy
at 8 set the watch for the night

Monday May 25th

Came in cloudy with drizzling rain much
thunder & lightning all round the horizon
preparing ship for sea & received stores
8 PM set the watch for the night

Course.

Distance.

Diff. of Lat.

Departure.

Lat. by D. R.

Lat. by Ob.

Variation.

Diff. of Lon.

Lon. in

Lon. by Ob.

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11
12Tuesday May 26th

Light Baffling winds & clear weather at 9 AM
Hove up the anchor & proceeded to sea
in tow of a steamer on the 20th tide
took in the Boats & secured them at 10 AM
parted one tow warp passed the warp double in
10 minutes after parted both parts of the warp
then the steamer passed his Hawser back fast
round the Pall Bitter 11 AM carried away the
Windlass Pall Bitter which time steamer
left the ship made all sail light winds
from E S E this day contains 12 hours &
Ends Harbour Account

Draft of water
" 12 feet aft
" 11 feet forward

Course.

Distance.

Diff. of Lat.

Departure.

Lat. by D. R.

Lat. by Ob.

Variation.

Diff. of Lon.

Lon. in

Lon. by Ob.

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Wednesday 27 th day of May	18
1						Various Boffling	Commence light breeze & fine	
2							all sail set by the wind	
3							4 PM Tacked ship strong flood tide	
4							Sitting in	
5							7 PM Tacked ship on the ebb tide	
6							weather cloudy wind very light	
7								
8							Midnight - light breeze & clear weather	
9								
10							4 PM Rio Janeiro light bore N W 8	
11							Dist	
12								
1							Latter part Moderate breeze	
2								
3								
4								
5							Pumps Carefully Attended	
6								
7								
8								
9								
10						East		
11								
12								

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Thursday 28 th day of May	18
1	5		S S E	East			Commence Moderate breeze & clear	
2	5						weather all sail set by the wind	
3	5						1 PM Rio Janeiro bore N W 28 miles	
4	5						Dist here to take my departure	
5	5						Stowed the anchors & unbent the	
6	5						cables	
7	5		S E by E	E N E	1		5 PM increasing breeze & heavy sea from	
8	5				1		S E took in light sails	
9	5				1		8 PM Handed top gall'n sails fly	
10	5				1		fib	
11	4		S E		1			
12	4				1		Midnight - strong breeze & passing clouds	
1	4				1			
2	4				1		Latter part Moderate breeze & fine	
3	4				1		top gall'n sails & flying fib	
4	4				1			
5	4		S E by E		1			
6	4				1		Pumps Carefully Attended to	
7	5				1			
8	5				1			
9	5		E S E	N E	1			
10	5				1			
11	5				1			
12	5				1			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 34 E	135 1/2	0	75.4	24.46	24.54 1/4	0	83	41.52	

Journal from N^o Janeiro towards New York.

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
						Friday 27 th day of May 186
1	5		SE by E	NE		Through out these 24 Hours fresh steady breeze & passing clouds a heavy swell from ESE all sail set by the wind
2	5					
3	4		ESE			
4	4					
5	5		SE by E			
6	5					
7	5					
8	5					
9	6		ESE			
10	6					
11	6					
12	6					
1	6		SE by E			Dumps Carefully attended to
2	6					
3	6					
4	6					
5	6		ESE			
6	6					
7	5					
8	5					
9	5		East N. E			
10	5					
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
SE E	124	56.3	112.2	25.50	25.48	1/4 E	125	39.47	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
						Saturday 30 th day of May 186
1	5		E. by N	NE		Moderate breeze & clear weather in the first part all sail set by the wind
2	5					
3	5					
4	5					
5	4		East			
6	4					
7	3					
8	3					
9	3		E by S			
10	2					
11	2		ESE	NE		
12	2					
1	1					Middle & latter parts light winds & cloudy a Brig in sight
2	1					
3	2					
4	2					
5	2					
6	2					
7	2					
8	2					
9	2		E by S	Baffling		
10	2					
11	2		E by S			
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
SE E	64	10.2	63.0	25.58	26.2	1/4 E	70	38.37	

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	18
1	3		E by S	NNE		Commence light winds & clear weather all sail set by the	
2	3						
3	4						
4	3		E by S				
5	3					Midnight - breeze increasing & cloudy	
6	3						
7	3						
8	3					at 9 AM a heavy pressing clouds a heavy sea from NNE	
9	4			North		Handed to gallies sail	
10	4					& flying jib	
11	4						
12	4						
1	4						
2	4					Dumps carefully attended to	
3	4						
4	4						
5	4						
6	4						
7	4						
8	4						
9	4						
10	4				/		
11	4				/		
12	4				/		

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N 86 E	85	5.9	86.4	25.56	26.00	1/4 E	96	37.1	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	18
1	4		E by S	North	/	Commence strong breeze & cloudy	
2	4				/	at 1 PM a heavy pressing clouds a heavy sea from NNE	
3	4		E by S		/	Ship labouring much	
4	4				/		
5	4				/	at 8 PM lightning in the SSW	
6	4				/	Midnight light winds & clear weather	
7	4				/		
8	4				/	at 6 AM set top gallies sails	
9	4				/	& flying jib	
10	3		N by E		/		
11	3				/		
12	3				/		
1	2			Boffins	/	Dumps carefully attended to	
2	2				/		
3	2				/		
4	2				/		
5	2				/		
6	2				/		
7	3		NE				
8	3						
9	4		NE by E				
10	4						
11	4						
12	4						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N 72 E	78	24.2	74.7	25.34	25.32	1/4 E	83	35.38	

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	4		NE by E	SE by W		Tuesday 2 nd day of June 1868
2	4					Commenced in light winds & clear weather all sail set by the wind
3	4					
4	4		NE by E			
5	4					
6	4					Midnight cloudy wind shifted to SE
7	3					
8	3					
9	2					4 PM threatening appearance all round the horizon breeze increased rain took in all light
10	2					Sails double reefed the top sails furlled the main sail 4 ft
11	1		Calm	SE		
12	2		SE	SE		
1	3					
2	3					
3	4					
4	5					7 AM much rain a heavy sea from SE close reefed the top sails & furlled the fore sail
5	5					
6	3					
7	4					
8	3					
9	4					
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
38 E	78	61.1	48.7	24.31	24.44	1/4 E	54	34.44	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	4		SE	E SE		Wednesday 3 rd day of June 1868
2	4					Commenced fresh gale & cloudy a heavy sea running from SE
3	4					Ship labouring very heavy & shipping much water on deck
4	1		North	E SE	2	
5	2				2	at 1 PM set the fore sail main top mast stay sail 11 ft
6	2				2	Is the raining in torrents
7	3				2	
8	3				2	Midnight strong breeze & overcast
9	3				2	6 AM clear weather made sail
10	3				2	
11	3				2	11 AM out all reefs of the top sail set flying jib 11 ft & set top sail
12	3				2	
1	3				2	Pumps carefully attended to
2	4				1	
3	4				1	
4	4				1	
5	4				1	
6	4				1	
7	4				1	
8	4				1	
9	4				1	
10	4				1	
11	4				1	
12	4				1	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
10 N	61	60.3	10.1	23.44	23.54	1/4 E	11	34.55	

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	4		SSE			Thursday 4 th day of June
2	4					Comes in moderate breeze & clear weather
3	4					
4	4					1 PM set top gallies sails
5	4					
6	4					
7	4		SSE			Midnight fresh breeze & passing clouds
8	4		SSE			
9	4					8 AM set the Royal clear weather
10	4					
11	4					
12	4					Pumps Carefully attended to
1	4					
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4		SSE			
10	4					
11	4					
12	4					

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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SSE	90	69.7	56.5	22.44	23.4	1/4 E	61	35.56	
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H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	3		SSE			Friday 5 th day of June
2	3		ESE			Commences light winds & clear weather all sail set by the wind
3	3					
4	3					a heavy swell from ESE
5						
6						1 PM Lacked ship shifted fore top mast stay sail
7	1					
8	1					Midnight D. weather
9	1					
10	1					
11	2					Pumps Carefully attended to
12	2					
1	2					
2	2					
3	2					
4	2					
5	2					
6	2					
7	3					
8	3					
9	2					
10	2					
11	2					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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SSE	39	28.2	33.5	23.24	23.34	1/4 E	36	35.20	
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Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
						Saturday 6 th day of June 1862
1	2		N by N	N E		Commenced in light winds & clear weather ship on the wind under all sail at 1 PM Tacked ship
2	2					
3	2					
4	2					
5	3					
6	3		North	E N E		7 PM passed a Barque Bound Southward
7	3					8 PM threatening looking weather took in Royals
8	3					Midnight moderate breeze & passing clouds
9	4					
10	4					
11	4		N by E			
12	4					
1	4					2 PM Sprally with light breeze & drizzling rain Handed light sail
2	4					3 PM clear weather set light sail
3	4					
4	3					
5	4					
6	4		N by N			
7	4					Pumps carefully attended to
8	4					
9	4					
10	4					
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N 2 N	88	8.1	1.3	22.14	22.35 1/4	1/4	2	35.22	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
						Sunday 7 th day of June 1862
1	3		N by N	B. by N		Commenced light winds & clear weather all sail set by the winds
2	3					
3	3		N by N			
4	3					
5	2		N by N			
6	2					Midnight latter part moderate breeze & passing clouds a heavy swell measuring from E S E
7	3		North			
8	3					
9	3		N by E	East		
10	3					
11	3					Pumps carefully attended to
12	3					
1	3		N N E			
2	3					
3	3					
4	3					
5	3		N by E			
6	3					
7	3					
8	4					
9	4		N by E			
10	4					
11	4					
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N 3 E	74	13.3	3.3	21.22	21.21	1/2	4	35 1/5	

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Monday 8 th day of June	18
1	4		N by E	ESE				
2	4							
3	4							
4	4							
5	4							
6	4							
7	4		N by E	E				
8	4							
9	4		S by S	Blowing				
10	4							
11	4		SSE	E				
12	4							
1	4		S by E					
2	4							
3	4		N by N					
4	4							
5	4							
6	4		N by N	ESE				
7	4							
8	4							
9	4							
10	4							
11	4							
12	4							

Comes in moderate breeze & clear weather all sail set by the wind

8 PM Jacked ship

Midnight fresh breeze & passing clouds a heavy swell from ESE

2 AM Jacked ship

9 AM breeze increasing Handed top gall^{ts} sails flying jib & 9 off top sail

Pump & carefully attended to

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N 10 E	57	43.8	36.9	20.37	20.41	1/2 N	37	34.39	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Tuesday 9 th day of June	18
1	3		NNE	East				
2	3							
3	3							
4	4		NNE	E				
5	4							
6	3		NNE	ESE				
7	3							
8	3		NNE	E				
9	3							
10	4							
11	4							
12	3		SE					
1	4							
2	4							
3	4							
4	4		NNE	East				
5	4							
6	4							
7	3							
8	3							
9	4							
10	4							
11	4		NNE	E				
12	4							

Commence strong breeze and passing clouds tremendous

High sea running from ESE

Ship labouring very heavy

3 PM more moderate set fore top gall^{ts} sail & flying jib

Midnight sea weather

3 AM clear weather set fore top gall^{ts} sail

7 AM squally Handed top gall^{ts} sails

Pump & carefully attended to

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N 13 E	84	82.0	18.3	19.19	19.17	1/4 N	19	34.20	

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	4		N by N East		1	Wednesday 10 th day of June 1860
2	4		SSE		1	Commence in strong breeze passing
3	4				1	about Fremonts High Sea
4	4		N by S ESE		1	running from ESE ship labouring
5	4				1	much
6	4		N by N		1	all possible sail set by the wind
7	4				1	
8	4		SSE		1	Midnight continue the same
9	4				1	
10	4		N by S		1	11 AM Tacked ship
11	4				1	
12	4				1	Latter part foggy & drizzling rain
1	3				1	
2	3				1	
3	3		N by N		1	Damp & carefully attended to
4	4				1	
5	4		N by S Boffing		1	
6	4				1	
7	4		N by E		1	
8	4				1	
9	4				1	
10	4		WSE SE		1	
11	4				1	
12	4				1	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
200	83	17.2	28.9	18.2	18.9	1/2 N	30	33.50	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	4		SE by S ESE		1	Thursday 11 th day of June 1860
2	4		ESE	SE	2 1/2	Commences strong breeze & cloudy
3	4				2 1/2	showers of rain at times
4	4		SE		2 1/2	tremendous High Sea from ESE
5	4				2 1/2	ship labouring very heavy
6	4		SE		2 1/2	
7	2		SE		3 1/2	2 PM Hard squalls double reefed
8	2		SE by S		2 1/2	the top sails
9	4				2 1/2	
10	4		SE East		2 1/2	Midnight continue the same
11	4				2 1/2	
12	4				2 1/2	1 AM wore ship
1	4		SE		2 1/2	
2	4				2 1/2	4 PM light winds & clear weather
3	2				2 1/2	put all reefs of the top sail up
4	2				2 1/2	top sail to
5	3					tail flying fit
6	4					
7	4					Damp & carefully attended to
8	4					
9	3					
10	3					
11	3		N by E			
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
160	26	6.3	26.6	18.3	17.67	1/2 N	28	33.22	

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Friday 12 th day of June	18
1	4		N 2/4 E	E S E				
2	4		N 2/4 E	E S E				
3	4		N 2/4 E	E S E				
4	4		N 2/4 E	E S E				
5	5		N 2/4 E	E S E				
6	5		N 2/4 E	E S E				
7	6							
8	6							
9	7							
10	7							
11	7							
12	7							
1	6							
2	5		N 2/4 E		1			
3	4		N 2/4 E		1			
4	4		N 2/4 E		1			
5	5		N 2/4 E		1			
6	5		N 2/4 E		1			
7	5		N 2/4 E		1			
8	4		N 2/4 E		1			
9	4		N 2/4 E		1			
10	4		N 2/4 E		1 1/2			
11	4		N 2/4 E		1 1/2			
12	4							

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N 2/4 E	111	92.2	76.7	14.25	14.24	1/4 N	80	32.2	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Saturday 13 th day of June	18
1	4		N 2/4 E	E S E	1/2			
2	4				1/2			
3	4				1/2			
4	4		N 2/4 E	Baffling	1/2			
5	3		N 2/4 E	Baffling	1/2			
6	3		N 2/4 E	E S E	1/2			
7	3		N 2/4 E	E S E	1/2			
8	3				1/2			
9	4				1/2			
10	5				1/2			
11	5				1/2			
12	5				1/2			
1	6			E S E	1/2			
2	6				1/2			
3	6				1/2			
4	6				1/2			
5	6				1/2			
6	5				1/2			
7	5				1/2			
8	6				1/2			
9	6		N 2/4 E		1/2			
10	6				1/2			
11	6				1/2			
12	6				1/2			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N 2/4 E	115	107.3	36.2	14.35	14.27	3/4 N	38	31.24	

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	186
1	1		S. S. E	E S E	1/2	Sunday 14 th day of June	
2	1				1/2	Craves in fresh breeze & flying	
3	1				1/2	clouds all sail set	
4	1				1/2	before the wind	
5	1				1/2	a heavy sea from E S E	
6	1				1/2		
7	1				1/2	at 11 th passed a Brig Bound Southward	
8	1				1/2		
9	1		S. S. E		1/2	Midnight continues the same	
10	1				1/2		
11	1				1/2	Latter part squally	
12	1				1/2		
1	1		S. S. E		1/2	Cumbers carefully attended to	
2	1				1/2		
3	1				1/2		
4	1				1/2		
5	1		S. S. E		1/2	at 11:30 P.M. a Child Birth took	
6	1				1/2	place on board of a fine little	
7	1				1/2	Boy	
8	1				1/2	How wot art seven fold in thy	
9	1				1/2	grace finger of god & fifth named	
10	1				1/2	this promise teaching little ones to	
11	1				1/2	to speak and understand	
12	1				1/2		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S. S. E	152	150.2	22.7	11.59	11.57	1 N	23	31.1	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	186
1	1		S. S. E	S E	1/2	Monday 15 th day of June	
2	1		S. S. E		1/2	commence strong breeze &	
3	1				1/2	cloudy tremendous a heavy	
4	1				1/2	sea from E S E ship labouring	
5	1		S. S. E		1/2	much	
6	1				1/2		
7	1		S. S. E	Blowing	1/2	at 1 st M. squally Handed top	
8	3				1/2	gallies sail	
9	3		E. S. E	S E	2		
10	4				2	Midnight continues the same	
11	4				2		
12	4				2	Latter part rain squalls	
1	3		S. S. E		2	passed a large ship Bound	
2	3				2	Southward	
3	3				2		
4	3				2	Cumbers carefully attended to	
5	3				2		
6	3				2		
7	3				2		
8	3				2		
9	3				2		
10	3				2		
11	3				2		
12	3				2		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S. S. E	94	86.5	37.7	11.31	11.30	1 N	38	38.28	

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	2		NE by E	SE	/	Tuesday 16 th day of June 1861
2	2				/	Course in fresh breeze &
3	2				/	passing clouds a heavy sea
4	2				/	from S. & S. W. ship labouring
5	1		SE		/	all possible sail set by the
6	1				/	wind
7	1				/	4 PM moderating set top gallies
8	1				/	& flying jib
9	1				/	
10	1				/	11 PM squally took in fore top
11	1				/	gallies & sails & flying jib
12	1				/	
1	1				/	Midnight strong breeze & cloudy
2	1				/	
3	1				/	8 AM made all sail
4	1				/	
5	1				/	
6	1				/	Camp carefully attended to
7	1				/	
8	1				/	
9	1		SE		/	
10	1				/	
11	1				/	
12	1				/	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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SE by E	125	116.7	45.8	8.32	8.35	1 N	46	29.37	
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H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	6		SE by E	SE		Wednesday 17 th day of June 1861
2	6		SE by E			Commenced fresh breeze & cloudy
3	6					showers of rain at times
4	6					all sail set before the wind
5	6					
6	6					
7	6					Midnight latter parts thick
8	6					cloudy & squally & raining in
9	6					torrents a heavy sea running
10	6					from S. & S. W.
11	6					Amphibious 10 PM
12	6					Camp carefully attended to
1	6					
2	6					
3	6					
4	6					
5	6					
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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SE by E	156	152.4	31.8	6.3		1 N	32	30.9	
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Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Thursday 18 th day of June	1860
1	5		S by W	SSE		Being moderately breeze & cloudy		
2	5					all drawing sail set before		
3	5					the wind		
4	5		SSE			a heavy sea running from SSE		
5	5					midnight - steady breeze & thick		
6	5					cloudy		
7	5							
8	5							
9	6							
10	6							
11	6					Latter part continues thick		
12	6					& much rain		
1	6					Sun obscured by obs.		
2	6							
3	6							
4	6							
5	6			South				
6	6							
7	7							
8	7							
9	7		N by E	SSE				
10	7							
11	7							
12	7							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
33 N	140	117.1	17.8	4.6		1 N	78	31.27	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Friday 19 th day of June	1860
1	7		N by E	SSE		Commence strong breeze & squally		
2	7		N by E			thick cloudy & drizzling rain		
3	7							
4	7							
5	5					1 PM Handed top gall ^{ty} sails & furlled the main sail		
6	5							
7	5							
8	5							
9	5		N by W			2 PM increasing to a gale tremendous		
10	5					High sea running from SSE		
11	5					Ship labouring & straining very heavy		
12	5					& shipping much water on deck		
1	6					Double reefed the top sails		
2	6					Midnight - continues squally & overcast		
3	6							
4	6					8 AM moderating & up out of the top		
5	5		N by E			sails set the main sail main top		
6	4					gall ^{ty} sail & sparker		
7	4							
8	5					Latter part squally & much rain		
9	6		North			Sun obscured by obs.		
10	6							
11	6							
12	6							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
2 N	131	121.2	49.2	2.5		1 N	49	32.16	

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
						Saturday 20 th day of June 186
1	5		South East		$\frac{1}{2}$	Comes in squally & cloudy attended with rain a heavy sea running from E & E 1 PM took in main top gall ^{ts} sail & spanker Midnight - steady breeze & clear & 6 AM fair weather. made all sail Pumps carefully attended to
2	5				$\frac{1}{2}$	
3	5				$\frac{1}{2}$	
4	5				$\frac{1}{2}$	
5	1				$\frac{1}{2}$	
6	6				$\frac{1}{2}$	
7	6				$\frac{1}{2}$	
8	6				$\frac{1}{2}$	
9	6				$\frac{1}{2}$	
10	5				$\frac{1}{2}$	
11	5				$\frac{1}{2}$	
12	6				$\frac{1}{2}$	
1	6				$\frac{1}{2}$	
2	5				$\frac{1}{2}$	
3	5				$\frac{1}{2}$	
4	6				$\frac{1}{2}$	
5	6				$\frac{1}{2}$	
6	6				$\frac{1}{2}$	
7	6				$\frac{1}{2}$	
8	6				$\frac{1}{2}$	
9	6				$\frac{1}{2}$	
10	6				$\frac{1}{2}$	
11	6				$\frac{1}{2}$	
12	6				$\frac{1}{2}$	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 17 N	136	130.1	37.5	0.5	0.16	1/2	40	32.56	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
						Sunday 21 st day of June 186
1	5		South East			Commences moderate breeze clear weather all sail set before the wind The remainder of these 24 hours continues the same throughout Pumps carefully attended to
2	5		SE by E			
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 28 N	120	116.3	55.2	2.3	2.1	1/2	85	33.51	

Journal from Rio Janeiro towards New York 1862

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	5		Nb/Nr	SE		Monday 22 nd day of June 1862
2	5					Comes in light winds
3	5					passing clouds all sail
4	5					set before the wind
5	5					
6	5					
7	5					
8	5					the remainder of these 24 hours
9	6			SE		moderate steady breeze & clear
10	6					weather a heavy swell setting
11	6					from SE
12	6					
1	6					Pumps Carefully attended to
2	6					
3	6					
4	6					
5	6			East		
6	6					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
28 N	136	119.9	64.1	4.1	4.2	1 N	65	34.50	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	4		Nb/Nr	SE		Tuesday 23 rd day of June 1862
2	4					Commence light winds
3	4		North			clear weather all
4	4					sail set before the wind
5	4					
6	5					a heavy sea setting from SE
7	5					
8	4					
9	5					Middle & latter part to
10	5			SE		continues the same
11	5					
12	5					
1	5			East		Pumps Carefully attended to
2	5					
3	4					
4	4					
5	4					
6	5					
7	5			SE		
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
14 N	111	107.7	25.0	5.58	5.52	1 N	26	35.22	

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
			Wednesday 24 th of June			
1	3		North S E			
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3		S by E Boffly			
11	3		North			
12	3					
1	3					
2	3		S by E			
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3		S by E			
11	3					
12	3					

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N 27 W	54	18.0	24.8	6.40	6.43	1 W	25	3547	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
			Thursday 25 th of June			
1	4		S by E			
2	4					
3	4					
4	4					
5	2		S by variable			
6	2					
7	2					
8	2					
9	2		Cal			
10	2					
11	2					
12	2					
1	2					
2	2					
3	2					
4	2		S by East			
5	2					
6	2					
7	2					
8	2					
9	2		S E			
10	2					
11	2					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N 51 W	143	27.3	33.7	7.11	7.8	1 W	34	3621	

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
						Friday 26 th of June 1864
1	1		SW	SE		Came in moderate steady breeze & clear weather all sail set by the wind Midnight light winds & clouds with rain squalls at intervals Latter part raining in torrents Pumps carefully attended to
2	1					
3	1					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	1		SE	variable		
1	1		SW			Pumps carefully attended to
2	3		SW			
3	5					
4	5					
5	5					
6	5					
7	5					
8	5		SE			
9	3		SE			
10	2					
11	2					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
47 N	102	69.4	74.4	8.17	8.21	1 N	75	37.36	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
						Saturday 27 th of June 1864
1	2		SE	variable		Commenced light winds & overcast & raining in torrents Midnight light air & tremendous sea running from SE Latter part fresh breeze & passing clouds Pumps carefully attended to
2	2		North			
3	2					
4	2		SE			
5	2		North			
6	3					
7	3					
8	3					
9	1					
10	1					
11	1					
12	1		SE			
1	2					Pumps carefully attended to
2	2					
3	2					
4	3					
5	4					
6	1					
7	6					
8	6					
9	6					
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
47 N	74	50.1	54.6	9.11	9.23	1 N	55	38.31	

Journal from Rio Janeiro towards New York

HI	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	18
1	7		S W	S E		<p>Commence strong breeze passing clouds all sail Set before the wind a heavy sea running from S E Middle & latter parts thick cloudy with showers of rain at times Pumps carefully attended to</p>	
2	7						
3	7						
4	7						
5	7						
6	7						
7	7						
8	7						
9	7						
10	7						
11	7						
12	7						

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 56 N	164	91.1	136.4	10.54	10.52	1 N	139	40.50	45.1

HI	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	18
1	8		S W	S E		<p>Commence strong breeze & passing clouds all sail Set before the wind a heavy sea running from S E the remainder of these 24 Hours continue the same Pumps carefully attended to</p>	
2	8		S W	S E			
3	8						
4	8						
5	8						
6	8						
7	8						
8	8						
9	8						
10	8						
11	8						
12	8						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 67 N	172	107.8	157.2	12.39	12.33	1 N	163	43.33	47.14

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	7		W. by N	E. S. E.		Tuesday 30 th day of June 1861
2	7		S. W.			
3	7					
4	7					
5	8					commenced strong breeze & passing clouds all sail set before the wind
6	8					a heavy sea running from S. E.
7	8					
8	8					
9	8					
10	8					
11	8					Middle & latter part of continues the same
12	8			S. E.		
1	8					
2	8					
3	8					
4	8					
5	8					
6	8					
7	8					
8	8					
9	8					
10	8					
11	8					
12	8					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
57 N	18.8	718.7	143.7	14.32	14.32	N. 15'	46.4		

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	8		S. W.	S. E.		Wednesday 1 st day of July 1861
2	8					
3	8					
4	8					Dr. through out strong breeze & passing clouds all sail set before the wind
5	8					
6	8					a heavy sea from S. E.
7	8					
8	8					S. W. moderate breeze & passing clouds
9	8					
10	8					
11	8					
12	8					
1	7					
2	7					
3	7					
4	7					
5	7					
6	7					
7	7					
8	6					
9	6					
10	6					
11	6					
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
57 N	17.5	111.8	135.3	16.33	16.23	N. 15'	48.25		

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Thursday 2 nd day of July	1860
1	6		NW	NE		<p>Comes in moderate steady breeze & passing clouds all sail set before the wind</p> <p>large swell from NE</p> <p>Midnight continues the same</p> <p>Latter part clear weather</p> <p>Dumps carefully attended to</p>		
2	6							
3	6							
4	6							
5	6							
6	6							
7	6							
8	6							
9	6							
10	6							
11	6							
12	6							
1	6							
2	6							
3	6							
4	6							
5	6							
6	6							
7	6							
8	6							
9	7			ENE				
10	7							
11	7							
12	7							

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N 51 W	148	93.9	114.4	17.57	17.57	N 120	50.25		

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Friday 3 rd day of July	1860
1	7		NW	ENE		<p>Commeins fresh breeze & clear weather all sail set before the wind</p> <p>Middle part passing clouds & rain squalls</p> <p>Latter clear weather</p> <p>Dumps carefully attended to</p>		
2	7							
3	7							
4	7							
5	7							
6	7							
7	7							
8	7							
9	7							
10	7							
11	7							
12	7							
1	6							
2	6							
3	6							
4	6							
5	6							
6	6							
7	6							
8	6							
9	6							
10	6							
11	6							
12	6							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N 51 W	150	95.2	115.9	19.32	19.32	N 123	52.28		

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
						Saturday 4 th day of July 1860
1	4		N by E 6 N 6			Off through out light winds & clear weather all sail set before the wind engaged making a new Main Royal A M moderate breeze, weather continues the same Dumps carefully attended to
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	4					
11	4					
12	4					
1	4					
2	4					
3	4					
4	4					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
39 N	104	80.4	66.0	20.52	20.52 1/2 N	71	53.39	57.53	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
						Sunday 5 th day of July 1860
1	4		N by E 6 N 6			Moderate steady breeze clear & pleasant weather through out all sail set before the wind passed a Schooner Sheringham Dumps carefully attended to
2	4					
3	4					
4	4					
5	4					
6	4					
7	4					
8	4					
9	4					
10	5					
11	5					
12	5					
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
39 N	111	85.8	70.4	22.18	22.18 1/2 N	76	54.55		

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Monday 6 th day of July	18
1	4		117	N E S E		Through out these 24 hours light winds & clear weather & smooth water		
2	4							
3	4							
4	4							
5	4							
6	4							
7	4							
8	4							
9	4							
10	4							
11	4							
12	4							
1	4							
2	4							
3	4							
4	4							
5	4							
6	4							
7	3							
8	3							
9	3							
10	3							
11	3							
12	3							

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
37	96	74.2	60.9	23.32	23.32	1/2 N	66	56.1	60.22

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Tuesday 7 th day of July	18
1	4		117	N E S E		Light winds, clear & sultry hot weather all sail set before the wind		
2	4							
3	4							
4	4							
5	4							
6	4							
7	4							
8	4							
9	4							
10	4							
11	4							
12	4							
1	4							
2	4							
3	4							
4	4							
5	4							
6	4							
7	5							
8	5							
9	5							
10	5							
11	5							
12	5							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
31	102	78.8	64.7	24.57	24.57	1/2 N	71	57.12	

Journal from Rio Janeiro towards New York (53)

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	4		Stby N	ESE		Wednesday 8 th day of July 1861
2	4					
3	4					Light winds & cloudy in the
4	4		Sw			first part all sail set before
5	4					the wind
6	4					
7	4					Middle part light air lightning
8	4					in the N E
9	4			SE		
10	4					Latter part moderate breeze
11	4					& cloudy Ambient Rain Royal
12	4					& Bird a Swallow it is place
1	2		So		Luanda	Sun Obscured no obs
2	2			WGS		Winds - in the sea
3	2					
4	2					Pumps carefully attended to
5	4		N N W	Buffing		
6	4					
7	4					
8	4					Jose Antonio
9	6					João de Deus
10	6		Stby N			
11	6					griffen
12	6					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
51 N	93	58.2	72.5	25.49	26.8	81	58.33		

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	6		Stby N	SE		Thursday 9 th day of July 1861
2	6					
3	7		Inland Breeze			Commences fresh breeze & cloudy
4	7					all sail set before the
5	6		Stby N or variables			wind
6	6					
7	6					Midnight light winds & showers
8	6					Continues cloudy
9	5					
10	5					Latter part light air & sultry
11	3		Stby N			hot weather a Breeze in
12	3		Stby N			Light Breeze Northward
1	4		Stby N			
2	4		Calm			Pumps carefully attended to
3						
4			Stby N			
5	2					
6	2					
7	2					losandar mare of
8	3					16a
9	3					
10	3					all harm to bark
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
62 N	94	44.6	82.1	26.34	27.8	92	68.5		

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Friday 10 th day of July	18
1	/		SW by W	SE		Through out these 24 hours light air & clear weather all sail set before the wind Several sails in sight Pumps carefully attended to		
2	/							
3	/							
4	/							
5	/							
6	/							
7	/							
8	/							
9	/							
10	/							
11	/							
12	/							

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
SW by W	24	13.3	20.0	26.47	26.1	W by N	23	60.28	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Saturday 11 th day of July	18
1	3		SW by W	SE		Throughout light winds & clear weather all sail set before the wind engaged painting the masts A fresh breeze & cloudy much lightening in the S & E with showers at times Pumps carefully attended to		
2	3							
3	3							
4	3							
5	3							
6	3							
7	3							
8	1		SW	SE				
9	5							
10	5							
11	5							
12	5							
1	6			SE				
2	6							
3	6							
4	6							
5	5		SW by W	SE				
6	5							
7	5							
8	5							
9	5							
10	5							
11	4							
12	4		SW					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
SW by W	103	74.3	72.0	27.15	27.16	W by N	81	61.67	

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	3		N by N	B offing		Sunday 12 th day of July 1862 Came in light winds & clouds all sail set by the wind engaged painting Masts Middle part showers much thunder & lightning in the N & W Latter part clear weather Dumps carefully attended to
2	3					
3	3					
4	3		N by N			
5	4					
6	4		N by N			
7	4					
8	3		N by N			
9	4					
10	4		N by N			
11	4					
12	4		N by N			
1	1					
2	2		N by N			
3	3					
4	3		N by N	West		
5	4					
6	4		N by N			
7	4					
8	4		N by N	B offing		
9	4					
10	4		North			
11	4					
12	4		North			

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
22 N	83	77.1	31.6	28.33	28.28	1/2 N	36	62.25	61.48

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	3		North	B offing		Monday 13 th day of July 1862 Light winds & clear weather in the first part all sail set by the wind Middle part cloudy & showery. Latter part squally Dumps carefully attended to
2	3					
3	3		N by N			
4	3					
5	3		North			
6	3					
7	3		N by N			
8	3					
9	3		N by N			
10	3					
11	3		North			
12	3					
1	3		North			
2	3					
3	3		North			
4	3					
5	3		North			
6	3					
7	3		North			
8	3					
9	4		North			
10	4					
11	4		North			
12	4					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
11 N	74	72.2	14.0	29.40	29.38	1/2 N	16	62.41	

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS.
						Tuesday 14 th July
1			Calm			Commences calm & cloudy a
2						swell setting from S.W.
3						
4						
5	4		N.W. & B. by N.			10 PM much lightning & thunder
6	4		S. by W.			the S. & E.
7	4		S. by W.			11 PM squally & handed light
8	4		S. by W.			11.30 PM much rain & terrific squall
9	5		S. by W.			from West double reefed the
10	5					sails furlled main sail jib &
11	5					sail
12	6					
1			various all			Midnight Tremendous High sea
2			round			running from S. & E. wind increased
3			the			to a gale & raining in torrents
4			compass			the wind revolving all round the
5						compass ship labouring & straining
6						very a heavy handed fore & main
7						top sails & Hove to on the starboard
8						tack under main & fore top
9						stay sails
10						6 AM moderating set the top sail
11						double reefed & AM a strong gale close
12						reefed the top sails

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 53 W	12	7.4	9.8	29.31	29.37	1/2 W	11	62.52	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS.
						Wednesday 15 th July
1	2		S. by W.	West	2	Comes in fresh gale & cloudy
2	2				2	Tremendous sea from S. & W.
3	3				3	
4	3				2	
5	3				2	8 PM light winds close reefs on
6	3				2	of the top sails
7	4				2	
8	3				2	Middle part light airs & thunder
9	3		S. by W.		2	& light wing in the S. & E.
10	3				2	
11	2				2	3 AM wore ship
12	2				2	6 AM "made" all sail
1	1		S. by E. & B. by N.			sun obscured no obs.
2	1					
3	2		N. by E.			
4	2					
5			Calm			Pumps carefully attended to
6						
7	1		S. & W.			
8	2					
9	2		S. by W.			
10	3					
11	3					
12	2					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N 10 W	43	42.7	7.8	31.20		1/2 W	9.	63.1	

Journal from Rio Janeiro towards New York 54

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Thursday 16 th day of July 1863
1	3		N N W	S W	1 1/2		
2	3				1 1/2	Commenced cloudy & squally	
3	3		N by W	Nest	3	attended with rain a heavy cross sea	
4	3		South	N S W	3	from S E & S W	
5	3				3	2 PM Handed top gallies sails &	
6	1				3	double reefed the top sails	
7	2				3	7 PM furlled the main sail & jib	
8	3		S S E	S W	3	10 PM increasing to a gale tremendous	
9	2				3	High sea running from S W ship	
10	2				3	labouring & straining very a heavy &	
11	2				3	shipping much water on deck	
12	2				3	close reefed main top sail	
1	1				4		
2	1				4	Midnight continues the same	
3	1				4	furlled the fore top sail & bows	
4	1		N N W		4	full of water continually & much	
5	1				4	lightning all round the compass	
6	1				4		
7	1				4	4 PM much rain wore ship	
8	1				4	11 AM took in the fore sail & hove to	
9	1				4	on the port tack under close reefed main	
10	1				4	top sail & main stay sail & fore & main	
11	1				4	top mast stay sails ship making	
12	1				4	some water seen obscured No. 1.	
						Dumps carefully attended to	

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
45 E	13	4.5	9.1	30.24		1/2 N	11	62.50	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Friday 17 th day of July 1863
1	1		up N N W	S W	6		
2	1				6	Commenced strong gale & cloudy	
3	1		off N N W		6	tremendous High sea from N N W	
4	1				6	ship labouring much & making	
5	1		up South		6	some water	
6	1				6		
7	1		off S E		6	4 PM wore ship to South ward	
8	1				6		
9	1				6	middle part continues the same	
10	1				6	terrific squalls & rain	
11	1				6		
12	1				6	8 AM let the fore top sail close	
1	1				6	reefed & wore ship to North ward	
2	1				6		
3	1				6	11 AM gale increasing very a heavy	
4	1				6	& raining in torrents furlled the	
5	1				6	fore top sail & goose winged the main	
6	1				6	top sail	
7	1				6	by 1 PM for some indiff. obs	
8	1				6	for Lat. Mer. alt. 50° 30'	
9	1		up N N W		6		
10	1				6	Dumps carefully attended to	
11	1		off N N W		6		
12	1				6		

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
64 E	21	9.3	18.5	30.33	30.24	1/2 N	21	62.27	

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	18
1	1	1	up N N W	S W	6	commences a heavy gale & a head	
2	1	1	off N N W		6	passing clouds tremendous High	
3	1	1			6	Sea from N N W ship labouring	
4	1	1			6	straining very a heavy	
5	1	1			6		
6	1	1			6		
7	1	1			6		
8	1	1			6	4 PM gale abating turned goose	
9	1	1			6	wing out of main top sail	
10	1	1	up South		6	9 PM wore ship to South ward	
11	1	1	off S E		6	midnight much lightning w	
12	1	1			6	moderating	
1	1	1			6	5 AM let the fore top sail close	
2	1	1			6	reefed & wore ship to North ward	
3	1	1			6		
4	1	1			6		
5	1	1			6	6 AM let fore sail & 1/2 of spanker	
6	2	2	N N W		2	passed a schooner on the starboard	
7	2	2			2	tack	
8	2	2			2	9 AM let the main sail	
9	2	2			2	at 12 noon clear weather out all r	
10	2	2			2	out of the top sails	
11	2	2			2		
12	2	2			2	Dumps carefully attended to	

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N N E	11	21.7	4.0	30.46	30.49	1/2 N	5	62.24	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	18
1	4	4	West	South		Comes in moderate breeze a head	
2	4	4				passing clouds very High Sea	
3	4	4				from N N W	
4	4	4					
5	4	4	Calmer			4 PM squally	
6	4	4					
7	4	4	West			midnight clear weather much	
8	4	4				lightning in the N N W	
9	4	4					
10	4	4				Day light fair weather made	
11	4	4				all sail	
12	4	4					
1	4	4				Dumps carefully attended to	
2	4	4					
3	4	4					
4	4	4					
5	4	4					
6	4	4					
7	5	5	N N W				
8	5	5					
9	5	5					
10	5	5					
11	5	5					
12	5	5					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
N N W	93	20.4	90.2	31.9	31.4	1/2 N	106	64.10	65.13

Journal from Rio Janeiro towards New York (59)

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Monday 20 th day of July	1868
1	5		N by E	SSW		Clear weather through out all day Sail set before the wind		
2	5							
3	5							
4	5							
5	5							
6	5							
7	5							
8	5							
9	4							
10	4							
11	4							
12	4							
1	4					Pumps carefully attended to		
2	4							
3	4							
4	4							
5	5							
6	5							
7	5							
8	5							
9	5							
10	5							
11	5							
12	5							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
57 by 10	113	71.0	86.6	32.15	32.14	1/2 by	10 2	65.52	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Tuesday 21 st day of July	1868
1	5		N by E	SSW		Through out fair weather all day Sail set before the wind		
2	5							
3	5							
4	5		N by E					
5	5							
6	5							
7	5							
8	5							
9	5							
10	5							
11	5							
12	5							
1	6					Pumps carefully attended to		
2	6							
3	6							
4	6							
5	6							
6	6							
7	6							
8	6							
9	6							
10	6							
11	6							
12	6							

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
41 by 10	132	71.7	85.8	33.51	34.6	1/2 by	10.2	67.35	

Journal from

towards

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	5		S 117 1/2	S S W		Wednesday 22 nd day of July 186
2	5					
3	5					Moderate breeze & clear weather
4	5					in the first part - all sail set
5	5					before the wind
6	5					
7	5					Middle part cloudy showers &
8	5					much lightning in the Northward
9	5					
10	5					Latter part clear weather
11	5		S 117 1/2	S S W		
12	5					Pumps carefully attended to
1	5					
2	5					
3	5					
4	5					
5	5					
6	5					
7	5					
8	5					
9	5					
10	5					
11	5					
12	5					

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 31 1/2	117	102.1	60.1	35.48	35.55	1/2 W	75	68.50	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1	3		S 117 1/2	W S W		Thursday 23 rd day of July 186
2	3					
3	3					Commenced light W. winds
4	3					& clear weather all sail set
5	3					before the wind
6	3					
7	3					Middle part cloudy breeze
8	3					lightning in the Northward
9	3					
10	3					Latter part continues cloudy
11	3					
12	3					Pumps carefully attended to
1	3					
2	3					
3	3					
4	3					
5	3					
6	3					
7	3					
8	3					
9	3					
10	3					
11	3					
12	3					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
S 30 W	71	61.1	36.6	36.56	37.8	1/2 W	46	69.36	

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Friday 24 th day of July	1861
1	3		N by E Breeze			Commences light winds & cloudy all sail set before the wind		
2	3							
3	3							
4	3							
5	3							
6	3							
7	3							
8	3							
9	3							
10	3							
11	3							
12	3							
1	3					At 10 PM much rain at 10 PM the ship sprung a leaking of a sudden 300 Strucks per hour the remainder of these 24 hours clear weather engaged printing		
2	3							
3	3							
4	3							
5	3							
6	3							
7	3							
8	3							
9	3							
10	3							
11	2							
12	2							

Pump carefully attended to every hour

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
39. N	70	54.1	44.4	38.2	38.2	1/2 N	57	70.33	70.58

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Saturday 25 th day of July	1861
1	3		N by E Breeze	S by E		Commences light winds & clear weather all sail set before the winds		
2	3							
3	3							
4	3							
5	3							
6	3							
7	4			S by E		Midnight continues the same much light rain in the A.M. breeze increasing gradually		
8	5							
9	5							
10	5							
11	5							
12	5							
1	6			South		7 AM Hard squalls in light sails & double reefed the top sails rainings in torrents & thick cloudy		
2	6							
3	6							
4	6							
5	6							
6	6							
7	4		N by E	S by E		Several sails in light standing Northward		
8	4							
9	4							
10	4							
11	4							
12	4							

Sun obscured no obs, Pump carefully attended to every hour

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
52 N	10.5	64.9	83.4	39.7			10.8	72.21	

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	18
1	2	1	SSE	10 kts	1	Commences squally & cloudy	18
2	2	1					
3	2	1					
4	2	1					
5	2	1	N. & 10 kts light			light winds Tacked ship	
6	2	1				Bored the cables	
7	2	1					
8	2	1				Midnight calm & clear weather	
9	2	1					
10	2	1					
11	2	1				Latter part light airs before	
12	2	1				of the top sails & made all day	
1	2	1				2 sails in light Bored Northward	
2	2	1				Continues cloudy	
3	2	1					
4	2	1				Sun obscured No obs.	
5	2	1					
6	2	1				Pumps carefully attended to	
7	2	1				every hour	
8	2	1					
9	2	1					
10	2	1					
11	2	1					
12	2	1					

Course	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
SSE	8	7.3	3.4	39.14			5	72.26	

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	18
1	2	1	SSE	10 kts		Monday 27 th day of July	18
2	2	1					
3	2	1	SSE	10 kts		Comes in light air & cloudy	
4	2	1				a heavy swell from S & W	
5	2	1	East				
6	2	1	SSE			5 PM Tacked ship	
7	2	1				Midnight light winds & over	
8	2	1				cast	
9	2	1					
10	2	1	SSE			Latter part light southerly	
11	2	1				winds & foggy weather	
12	2	1					
1	2	1				Sun obscured No obs.	
2	2	1					
3	2	1				Pumps carefully attended to	
4	2	1				Every hour	
5	2	1					
6	2	1					
7	2	1					
8	2	1	SSE				
9	2	1					
10	2	1					
11	2	1					
12	2	1					

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
SSE	43	36.5	22.4	39.58			27	72.53	

Journal from Rio Janeiro towards New York

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	day of	18
1	3		SSE	SE		Commence light winds & foggy	Tuesday 28 th	July
2	3		SSE			Weather attended with brizzling rain		
3	5							
4	4			ESE				
5	4							
6	4					4 PM water discoloured under the anchor & range the cables		
7	5			East		Sounded Bottom in 20 fathoms		
8	5		SSE			white sand & shales		
9	4							
10	4							
11	4					Anchored & made the land on the		
12	4		Various			port low thick fog & rolled ship & stood to Eastward		
1						Day light sounded in 12 fathoms		
2						weather continues the same		
3						9 AM took a pilot & sailed to N York		
4						3 PM took a steamer & sailed all night		
5						& proceeded to town		
6						7.20 PM came to with the port anchor in 2 fathoms of water & 25 f chain pilot & steamer left the ship		
7						8 AM set the watch for the night		
8						11 PM this 26 hours to land & sea account		
9						New York Harbor		

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in Lon. by Ob.

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	day of	18
1			Wednesday July 29 th					
2						AM through out light winds & fine weather		
3						engaged rigged fit & flying fit & Boats in 4 minutes		
4						the pilot 5 PM took a steamer & ve up the anchor & towed along side of the wharf & there moored the ship fore & aft 3 of the crew left the ship		
5								
6								
7								
8						Wednesday Feb 3 1870 Commence with light		
9						winds from the SE light rain in middle of port		
10						the same latter part of week trade winds impeded		
11						in painting the work		
12								
1						Thurs Feb 3 5 PM Commence with light		
2						Winds from N		
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course. Distance. Diff. of Lat. Departure. Lat. by D. R. Lat. by Ob. Variation. Diff. of Lon. Lon. in Lon. by Ob.

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	day of	18
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

This is the same as the one
 Santa Cruz de Tenerife 29 de Abril de 1800
 Por el Sr. D. Juan de los Rios

This is the same as the one
 Santa Cruz de Tenerife 29 de Abril de 1800
 Por el Sr. D. Juan de los Rios

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	day of	18
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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Journal from New Bedford towards N. H. Wales 65

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
1						
2						
3						
4						
5						
6						
7						
8						
9				W		
10	c					At the whole it worked over
11						the Harbour at 11 the steam
12						was back in two hours then
						1/24 he

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
1				P.W.		Friday 4 day of August 18
2						At the light is come in
3						thick fog anchored in five
4						fathoms of water the Pilot
5						and Co's went on shore
6						
7						
8						
9						
10						
11						
12						
1						4 long Breezes and large
2						in fog 2 strong and
3						clearing foggy
4						
5						
6						
7						
8						
9						
10						
11						
12						

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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towards

[illegible]

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	day of				18
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
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4											
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6											
7											
8											
9											
10											
11											
12											
Course.		Distance.		Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	day of				18
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
Course.		Distance.		Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.

Journal from

towards

M	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	day of				1
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
Course		Distance.		Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.

M	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	day of				18
1											
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											
1											
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4											
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6											
7											
8											
9											
10											
11											
12											
Course.		Distance.		Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.

H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
						Thursday 3 day of August 3 1871
1						I shall write and some thing
2						every day for you to see when I get home again when
3						I saw the Packet pass to I felt felt Bad to see
4						you in her for I knew that you would be so sick
5						I wanted to be with you I wrote a letter that day
6						and home sick
7						
8						Friday 4 August
9						home sick at 7 A.M. the Capt and Pilot come on
10						got under which being foggy come to anchor again
11						foggy and rearing the rest of the day at 2 P.M.
12						the Capt went on shore again home sick as usual
1						
2						Saturday August 5 1871
3						we got out to sea after about 7 hours here we
4						in 5 hours anchors to day I came near breaking my
5						arm tore the skin of the back of my hand
6						now I shall have some blisters for a while now
7						home sick as ever
8						
9						Sunday 6
10						at sea at work hard all day am as home
11						sick as ever now if I ever get home again I shall
12						try to stay there for a while home sick as ever

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS
						Sunday 7 day of August 1871
1						I should like to at home tonight as we have
2						pleasant weather and I am home sick if this
3						was for a 3 years voyage I should give up
4						and home sick
5						
6						Tuesday August 8 1871
7						all of this week employed steady work and
8						did not get any chance to think of home in
9						day time only in the night watches
10						watches they are - long - long as I
11						only have but 2 men to watch
12						now it is Saturday night the
1						12 of the month it makes me feel home
2						sick my thoughts of home and bear
3						ones after Sunday the 13th August the 2nd
4						Sunday from home this has been a long lonely
5						day to me my thoughts off home and the
6						bear ones after I thought today that if was
7						luck it would be but a short time before
8						I should be with you again if it was for
9						a 3 years voyage I should give up
10						any longer but to think it only for a
11						few months it makes feel better about it
12						we have got a good Captain as ever was

Course.	Distance.	Diff. of Lat.	Departure.	Lat. by D. R.	Lat. by Ob.	Variation.	Diff. of Lon.	Lon. in	Lon. by Ob.
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H	K	F	COURSES.	WINDS.	LEEWAY.	REMARKS	Monday 11 day of Sept	1871
1						we are now in fine weather and good Breeze from SE		
2						sailing to the NW Bound to St Helena fine weather since		
3						we sailed from New Bedford and I hope to get to St		
4						Helena in about 3 weeks more if nothings happens to		
5						us that will be the longest part of this voyage I hope		
6						although we get along first rate on Board as yet it is		
7						hard work but one must work if they get a living		
8						now says it is along voyage so I can stand it better		
9						that it is a long whaling voyage I think I can		
10						stand again I believe next then I hope to do better		
11						next voyage I would go whaling again if I can sell		
12						it for I saw one I have been about 5 years since and have		
1						nothing to show for it		
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Journal from

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[illegible][illegible]

forwards.

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1894
1895

VAL QUALITY

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